

Inspection Report

Subject: McDonough County Heritage Farms Dairy
(Bushnell) Reconnaissance Inspection

To: DWPC/FOS & RU

From: Star M. Loftus DWPC-FOS, Peoria Region

Date: December 18, 2012

On the above date at approximately 10:15 AM I visited Heritage Farms Dairy to inspect the farm and insure compliance had been achieved for the previously found violations from the August 19, 2011 inspection. For further details of the facility and the previously found violations please reference the inspection report dated August 19, 2011. Steve Hess, the owner of the farm, was interviewed during the inspection. Digital photographs of the area are attached to this report. Weather conditions for the day were cloudy with a temperature near 38°F. The following paragraphs provide details of the field visit.

New Production:

Heritage Farms Dairy recently obtained a contract with Elmwood Dairy to raise replacement heifers for the dairy. This is currently the second group of heifers that Heritage Farms Dairy has raised for Elmwood. There are approximately 250 heifers that are in the newer total confinement buildings on the south side of the farm. This new contract with Elmwood Dairy is believed to be a long term contract. Mr. Hess currently believes that this farm will be producing replacement heifers for at least the next ten years.

Milking Parlor Concrete Pit:

The approximately 4" diameter pvc pipe that previously was installed in the milking parlor concrete pit and was connected to a tile line has now been permanently removed from the pit. The location where the pipe was in the concrete pit has been sealed and the tile line has been diverted around the pit. This pit is shown in Photographs #1-4, the sealed areas are shown.

The drains inside the milking parlor building still empty into the concrete pit, but now the pit is completely isolated and only receives the material that enters the drains in the milking parlor. The pit is covered using a few wood boards to help prevent storm water from entering the pit. Currently the farm is only milking one show cow that is on-site. This show cow will be removed from the farm soon. The wastewater that does accumulate in the concrete pit was reported as being removed approximately monthly. The liquid is pumped from the pit using a submersible pump into a tanker and is then land applied.

North Barn:

The old barn on the north side of the site was observed. There were currently approximately 65 head of heifers being kept in this area. The heifers were being contained to the area that was under roof. These heifers were reported as only being kept in this area for approximately a month to help them to get acclimated to the area before they are transferred to the new barns on



the south side of the site. There is straw bedding being used in the barn. This bedding was reported as being scraped, once every other week, and then directly land applied.

Horse Barn:

Located directly south of the milking parlor is a small barn, called the horse barn, with a small feedlot area. The horse barn was reported as currently being used as a vaccination and sorting area for the cattle. The cattle are only kept in this area for a couple of hours at a time. After the cattle are removed from the area it is scraped with the collected material being immediately land applied. This area was observed with no contaminated discharge occurring.

West Side of Concrete Lot:

The channel on the west side was observed. There did not appear to be any collection of manure occurring, some vegetation was being established. It was reported that the feedlot areas that drain to this area are scraped approximately once every other week. The transfer alleyways that also drain into this area were reported as being scraped after any transfer of the cattle occurs. Continuing the proper management of the manure on the feedlot areas will help to prevent this area from becoming a manure collection area that could lead to a discharge.


CNMP (Comprehensive Nutrient Management Plan):

Mr. Hess reported that he is currently working with Terry Feldmann from Maurer-Stutz, Inc. in creating a Comprehensive Nutrient Management Plan (CNMP) for the farm. It was discussed that if there is a decision made to expand or use more existing areas for raising more heifers that proper manure containment would be achieved. This proper manure containment would be established with an engineering firm designing the containment.

Summary:

During this inspection there was minimal runoff observed occurring from the north side barn. This runoff was not observed being released, but was being contained on the feedlot and alleyways. This farm has made management changes to help prevent contaminated discharges from occurring. As long as the farm continues to be managed properly there should not be any more contaminated discharges from the transfer lanes to the west of the farm. The tile discharge line has been removed from the farm. This farm should continue to work with an engineering firm if the farm decides to expand. The CNMP should be completed and utilized for the proper management of the farm. During this inspection, the previously observed violations were not occurring at this farm.

This report is submitted for your information.




Star M. Loftus

Att: -Photographs
-Form 3560

cc: -Peoria Files
-Cathy Siders, CAS


**IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT**

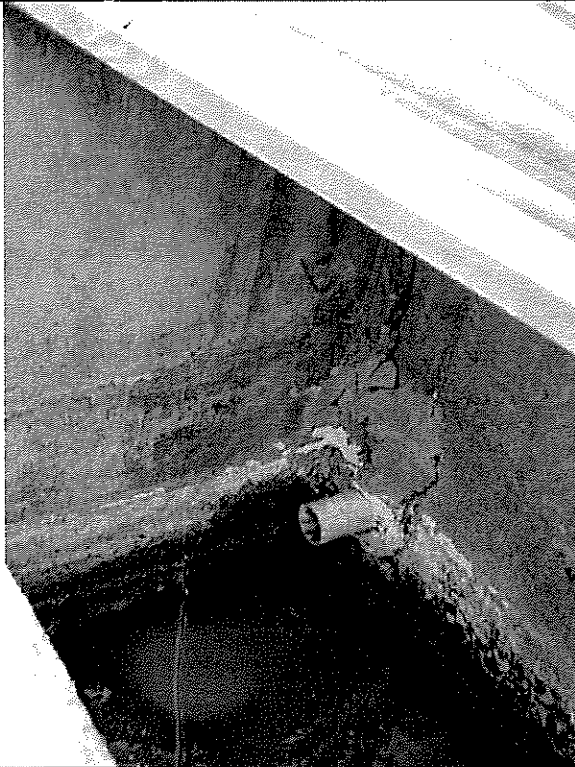
Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	 Exemption 6 and Exemption 7(C)
County: McDonough	
Comments: Wood boards covering the milking parlor concrete pit.	
Photo #: 1 Photo Title:	

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: Inside the milking parlor concrete pit.	
Photo #: 2 Photo Title:	

Initials: SML


IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT


Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: Submersible pump inside the milking parlor concrete pit. Concrete is sealed where pvc pipe to tile discharge was located.	
Photo #: 3 Photo Title:	

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: Concrete is sealed where pvc pipe to tile discharge was located.	
Photo #: 4 Photo Title:	

Initials: SML

**IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT**


Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: East side of the north barn, view is northwest. Cattle are being kept under roof.	
Photo #: 5 Photo Title:	

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: South side of the north barn, view is west.	
Photo #: 6 Photo Title:	

Initials: SML


**IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT**


Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: West side of the milking parlor with transfer lane shown, view is east.	
Photo #: 7	
Photo Title:	

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: Transfer lanes shown to the east of the north barn, view is southwest.	
Photo #: 8	
Photo Title:	

Initials: SML


**IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT**

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: North barn, view is north.	
Photo #: 9	
Photo Title:	

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: Horse barn feedlot, view is east.	
Photo #: 10	
Photo Title:	

Initials: SML

IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: South side of horse barn, view is north.	
Photo #: 11 Photo Title:	

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: West side of concrete lot, view is west.	
Photo #: 12 Photo Title:	

Initials: SML

**IEPA - DIVISION OF WATER POLLUTION CONTROL
DIGITAL PHOTO REPORT**

Date: 12-18-2012	Site Name: Heritage Farms Dairy
Photo By: Star M. Loftus	
County: McDonough	
Comments: West side of concrete lot, view is west. Some vegetation being established to the west.	
Photo #: 13	
Photo Title:	

Initials: SML

**EPA**

United States Environmental Protection Agency
Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code NPDES yr/mo/day Inspection Type Inspector Fac Type
 1 **N** 2 **5** 3 **N O N E** 11 12 **1 2 1 2 1 8** 17 18 **@** 19 **S** 20 **3**
 Remarks

Enforcement Follow-up at CAFO dairy

21

66

Inspection Work Days Facility Self-Monitoring Evaluation Rating BI QAReserved.....
 67 69 70 **4** 71 **N** 72 **N** 73 74 75 80

Section B: Facility Data

Name and Location of Facility Inspected (For industrial users discharging to POTW, also include POTW name and NPDES permit number)

Heritage Farms Dairy
Steve and Phyllis Hess
19485 North 1700th Road
Bushnell, IL 61422

Entry Time/Date

12/18/12 10:00 AM

Permit Effective Date

NONE

Exit Time/Date

12/18/12 11:00 AM

Permit Expiration Date

NONE

Name(s) of On-Site Representative(s)/Title(s)/ Phone and Fax Number(s)

Steve Hess**Exemption 6 and Exemption 7(C)**

Other Facility Data

Name, Address of Responsible Official/Title/Phone and Fax Number

Steve and Phyllis Hess**Exemption 6 and Exemption 7(C)**

Contacted

☒ Yes ☐ No

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input type="checkbox"/> Permit	<input type="checkbox"/> Flow Measurement	<input type="checkbox"/> Operation & Maintenance	<input checked="" type="checkbox"/> Storm Water
<input type="checkbox"/> Records/Reports	<input type="checkbox"/> Self-Monitoring Program	<input type="checkbox"/> Sludge Handling/Disposal	<input type="checkbox"/> Combined Sewer Overflow
<input type="checkbox"/> Facility Site Review	<input type="checkbox"/> Compliance Schedules	<input type="checkbox"/> Pretreatment	<input type="checkbox"/> Sanitary Sewer Overflow
<input type="checkbox"/> Effluent/Receiving Waters	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Pollution Prevention	<input type="checkbox"/> MS4

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation Codes, as necessary)

Reference December 18, 2012 Inspection Report.

SEV Codes

SEV Description

Name(s) and Signature(s) of Inspector(s)

Star M. Loftus

Agency/Office/Phone and Fax Numbers

IEPA / DWPC / FOS-Rockford**815/987-7760 FAX 815/987-7005**

Date

18-Dec-12

Signature of Management Q A Reviewer

Agency/Office/Phone and Fax Numbers

IEPA / DWPC / FOS-Rockford**815/987-7760 FAX 815/987-7005**

Date

1.15.13

cc: BOW-FOS / Records Unit